

## EAST Search History

| Ref # | Hits | Search Query                          | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---------------------------------------|---|------------------|---------|------------------|
| L1    | 2    | "20050157683"                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 12:53 |
| L2    | 7013 | beamform\$4                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 12:53 |
| L3    | 3130 | array with 2                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 12:53 |
| L4    | 1    | 3 same (channel adj encoder)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 14:23 |
| L5    | 13   | 3 and (channel adj encoder)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 13:01 |
| L6    | 31   | 2 and array and (channel adj encoder) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 13:06 |
| L7    | 4533 | path with diversity                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 13:13 |
| L8    | 237  | 7 and 2                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 13:07 |
| L9    | 25   | 7 with 2                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/11/09 13:13 |

## EAST Search History

|     |      |                      |   |    |    |                  |
|-----|------|----------------------|---|----|----|------------------|
| L10 | 112  | 3 and 7              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:13 |
| L11 | 1098 | path adj diversity   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:13 |
| L12 | 12   | 3 and 11             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:14 |
| L13 | 8028 | channel adj encod\$4 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:15 |
| L14 | 1    | 13 with 11           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:15 |
| L15 | 1    | 13 same 11           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:15 |
| L16 | 44   | 13 and 11            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:16 |
| L17 | 1    | 11 with 2            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:16 |
| L18 | 3    | 11 same 2            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:16 |
| L19 | 40   | 11 and 2             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:29 |

## EAST Search History

|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| L20 | 12021 | convolution\$3 adj (cod\$4 encod\$4)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:30 |
| L21 | 2     | 20 with 2  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:30 |
| L22 | 67    | 20 and 3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:47 |
| L23 | 105   | mimo and 3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 13:47 |
| L24 | 0     | dynamic\$4 with (allocat\$4 assign\$4)<br>with path with 2 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:23 |
| L25 | 8     | (allocat\$4 assign\$4) with path with 2                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:26 |
| L26 | 1867  | (channel adj (cod\$4 encod\$4)) with<br>different\$4       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:26 |
| L27 | 1     | 26 same 11   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:26 |
| L28 | 13    | 26 and 11  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:30 |
| L29 | 0     | seshaiah adj ponnekanti.in.                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:31 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| L30 | 92   | ponnekanti.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:31 |
| L31 | 899  | (channel with (cod\$4 encod\$4) with<br>different\$4 with (transmit\$4<br>receiv\$4)).clm.           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:32 |
| L32 | 40   | (channel with path with (cod\$4<br>encod\$4) with different\$4 with<br>(transmit\$4 receiv\$4)).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:33 |
| L33 | 1    | 32 and 30  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:37 |
| L34 | 8267 | 370/335  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:37 |
| L35 | 7962 | 370/342  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:38 |
| L36 | 10   | 32 and (34 35)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/09 14:38 |